Z87I-DELUXE

Intel® for 4th Generation Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processors
Supports Intel® 22 nm CPU
Supports Intel® Turbo Boost Technology 2.0
* The Intel® Turbo Boost Technology 2.0 support depends on the CPU types.

Chipset

Intel® Z87

Memory

2 x DIMM, Max. 16GB, DDR3
3000(O.C.)/2933(O.C.)/2800(O.C.)/2666(O.C.)/2600(O.C.)/2500(O.C.)/2400(O.C.)/2200(O.C.)/2133(O.C.)/2000(O.C.)/1866(O.C.)/1800(O.C.)/1600/1333 MHz Non-ECC, Un-buffered Memory
Dual Channel Memory Architecture
Supports Intel® Extreme Memory Profile (XMP)
* Hyper DIMM support is subject to the physical characteristics of individual CPUs.
* Refer to www.asus.com for the Memory QVL (Qualified Vendors Lists).

Graphic

Integrated Graphics Processor
Multi-VGA output support : HDMI/DVI-I/DisplayPort 1.2 ports *1
- Supports HDMI with max. resolution 4096 x 2160 @ 24 Hz / 2560 x 1600 @ 60 Hz
- Supports DVI-I with max. resolution 1920 x 1200 @ 60 Hz
- Supports DisplayPort with max. resolution 4096 x 2160 @ 24 Hz / 3840 x 2160 @ 60 Hz
Maximum shared memory of 1024 MB
Supports Intel® HD Graphics, InTru™ 3D, Quick Sync Video, Clear Video HD Technology, Insider™
Supports up to 3 displays simultaneously

Expansion Slots

1 x PCIe 3.0/2.0 x16

Storage

Intel® Z87 chipset :
6 x SATA 6Gb/s port(s), yellow
Support Raid 0, 1, 5, 10

Supports Intel® Dynamic Storage Accelerator, Intel® Smart Response Technology, Intel® Rapid Start Technology, Intel® Smart Connect Technology*[2]

LAN

Intel® I217V, 1 x Gigabit LAN Controller(s)

Wireless Data Network

Wi-Fi 802.11a/b/g/n/ac*[3]
Supports dual band frequency 2.4/5 GHz

Bluetooth

Bluetooth V4.0
Bluetooth V3.0+HS

Audio

Realtek® ALC1150 8-Channel High Definition Audio CODEC
- Supports : Jack-detection, Multi-recording, Front Panel Jack-retasking

Audio Feature :
- DTS Ultra PC II
- DTS Connect
- Optical S/PDIF out port(s) at back panel

USB Ports

Intel® Z87 chipset :
6 x USB 3.0/2.0 port(s) (4 at back panel, blue, 2 at mid-board)
Intel® Z87 chipset :
6 x USB 2.0/1.1 port(s) (4 at back panel, black, 2 at mid-board)
ASMedia® ASM1042 controller :
2 x USB 3.0/2.0 port(s) (2 at back panel, blue)

Special Features

ASUS 5X Protection :
- ASUS DIGI+ VRM - 12 Phase digital power design
- ASUS Enhanced DRAM Overcurrent Protection - Short circuit damage prevention
- ASUS ESD Guards - Enhanced ESD protection
- ASUS High-Quality 5K-Hour Solid Capacitors - 2.5x long lifespan with excellent durability

- ASUS Stainless Steel Back I/O - 3x more durable corrosion-resistant coating

ASUS EPU :

- EPU

ASUS Digital Power Design :

- Industry leading Digital 12 Phase CPU Power Design
- Industry leading Digital 2 Phase DRAM Power Design
- ASUS DIGI+ VRM Utility

ASUS Wi-Fi GO!

- Wi-Fi GO! Function: Media Streaming Hub, Smart Motion Control, Remote Desktop, Remote Keyboard & Mouse, File Transfer, Capture & Send
- Wi-Fi Engine for network sharing and connection: Client Mode, AP Mode

ASUS Exclusive Features :

- USB BIOS Flashback
- MemOK!
- AI Suite 3
- Ai Charger+
- USB Charger+
- Anti-Surge
- Front Panel USB 3.0 Support
- ASUS UEFI BIOS EZ Mode featuring friendly graphics user interface
- Network iControl
- USB 3.0 Boost
- Disk Unlocker

ASUS Quiet Thermal Solution :

- Stylish Fanless Design Heat-sink solution & MOS Heatsink
- ASUS Fan Xpert 2

ASUS EZ DIY :

- Precision Tweaker 2
- ASUS O.C. Profile
- ASUS CrashFree BIOS 3
- ASUS EZ Flash 2
- Multi-language BIOS

100% All High-quality Conductive Polymer Capacitors

Overclocking Protection :

- ASUS C.P.R.(CPU Parameter Recall)

Operating System Support

Windows® 8 86x64
Windows® 7 86x64

Back I/O Ports

1 x DVI-I
1 x DisplayPort
1 x HDMI
1 x LAN (RJ45) port(s)
6 x USB 3.0 (blue)
4 x USB 2.0
1 x Optical S/PDIF out
3 x Audio jack(s)
1 x Clear CMOS button(s)
1 x USB BIOS Flashback Button(s)
1 x ASUS Wi-Fi GO! module (Wi-Fi 802.11 a/b/g/n/ac and Bluetooth v4.0/3.0+HS)

Internal I/O Ports

1 x USB 3.0 connector(s) support(s) additional 2 USB 3.0 port(s) (19-pin)
1 x USB 2.0 connector(s) support(s) additional 2 USB 2.0 port(s)
6 x SATA 6Gb/s connector(s)
1 x CPU Fan connector(s) (4 -pin)
3 x Chassis Fan connector(s) (4 -pin)
1 x S/PDIF out header(s)
1 x 24-pin EATX Power connector(s)
1 x 8-pin ATX 12V Power connector(s)
1 x Front panel audio connector(s) (AAFP)
1 x System panel(s)
1 x MemOK! button(s)

Accessories

User's manual
ASUS Q-Shield
6 x SATA 6Gb/s cable(s)
1 x Wi-Fi Antenna(s)

BIOS

64 Mb Flash ROM, UEFI AMI BIOS, PnP, DMI2.7, WfM2.0, SM BIOS 2.7, ACPI 5.0, Multi-language BIOS, ASUS EZ Flash 2, ASUS CrashFree BIOS 3, My Favorites, Quick Note, Last Modified log, F12 PrintScreen, F3 Shortcut functions, and ASUS DRAM SPD (Serial Presence Detect) memory information

Manageability

WfM 2.0, DMI 2.7, WOL by PME, PXE

Support Disc

Drivers
ASUS Utilities
EZ Update
Anti-virus software (OEM version)

Form Factor

Mini ITX Form Factor
6.7 inch x 6.7 inch (17 cm x 17 cm)

Note

*1: DP 1.2 Multi-Stream Transport compliant, supports DP 1.2 monitor daisy chain up to 3 displays
*2: Supports on Intel® Core™ processor family
*3: The Wi-Fi standard of 802.11ac will be restricted by countries' regulations. Wi-Fi 802.11ac feature will be supported under the complete 11ac eco-system environment.